* Explain the meaning of Encapsulation

Encapsulation is the act of enclosing something, as if it were n a capsule. One of the main principles was let a class be responsible for the details of a prticular task.

* Highlight a benefit of Encapsulation

A key component of encapsulation is hiding or controlling access to information. Careful use of access modifiers will help protect you and your coworkers from breaking your programs. Encapsulation is more than just making member variables private. Which is all about making sure that your classes define the appropriate behaviors and then internally take care of the details needed to carry out those behaviors.

* Provide an application of Encapsulation
  1. Create the fraction class
  2. The class should have two attributes for the top and bottom numbers.
  3. make sure the attributes are private
* Use a code example of Encapsulation from the program you wrote

public class Fraction

{

private int \_top;

private int \_bottom;

public Fraction(int top, int bottom)

{

\_top = top;

\_bottom = bottom;

}

}